

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-7434

Exam Date: 7/31/1996

1. Current Owner: JOE A BAILEY
1609 MARY ST
SALMON ID 83467
(208)756-3278

Or

LESLIE A BAILEY
1609 MARY ST
SALMON ID 83467
(208)756-3278

2. Accompanied by: Joe A Bailey

Phone No: same as owner

Address: same as owner

Relationship to Permit Holder: self

3. SOURCE

UNNAMED SPRING

TRIBUTARY

SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: none
2. Other water rights with the same point of diversion: none

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED SPRING

NE1/4SW1/4

Sec. 1, Twp 19N, Rge 21E, B.M.

LEMHI County

Method of Determination: field examination, aerial photography

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19N	21E	1									X	X							
											L 8	L 10							

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19N	21E	1									X	X							
											L 8	L 10							

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19N	21E	1											2.4						2.4
													L 10						

Total Acres: 2.4

Method of Determination: field examination, GIS

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- _____ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- _____ Aerial Photo Attached (required for irrigation of 10+ acres).
- X Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: Hazen Williams

 X Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

spring box diverts into a 6" plastic pipe which delivers water to the place of use

Have conditions of permit approval been met? ☒ Yes ☐ No

Limited to 0.02 cfs/acre by permit, but at time it was believed that this right would be greater than 5 acres of irrigation. The total irrigation under this right does not exceed 5 acres, and as a result 0.03 cfs/acres is allowable.

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.020 CFS	
DOMESTIC	01/01 to 12/31	0.040 CFS	
IRRIGATION	04/01 to 10/31	0.070 CFS	
<u>Totals:</u>		0.070 CFS	

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ Other

Change in source from Dummy Creek tributary to Salmon River, to Unnamed Spring tributary to Salmon River

I. AUTHENTICATION

Field Examiner's Name Keith C Wilson Date _____

Reviewer Ma'hou. Fraue Date 12/5/17

Hazen-Williams Equation Calculator

Permit No. 75-7434

Enter These Parameters From the Worksheet

Pipe Diameter (ft)	0.5
Pipe Length (ft)	800
Elevation Drop (ft)	146
Values for Type of Pipe (Ch)	150
Discharge (cfs)	4.38

Pipe Values

150 -plastic PVC

140 -very Smooth

130 -cast iron

120 -wood, concrete

110 -riveted steel

100 -old cast iron

80 -badly corroded cast iron



PERMIT
NUMBER

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